

BWT BEWADES BLUE

USER FRIENDLY UV TECHNOLOGY



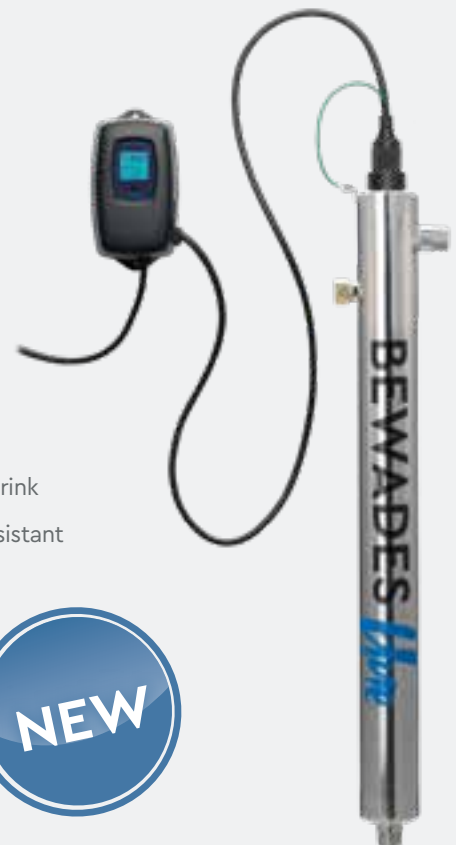
Highest quality, best drinking water, no compromises!

The ultimate UV disinfection

If you are unsure of the microbiological quality of your source water or if you are looking for additional security from municipal water source, the BWT has the solution in the new residential series of BWT UV systems: Bewades blue

Advantages at a glance

- Intuitive handling via color display with clear text messages – One look info
- Very robust online sensor (optional) monitoring permanently the systems performance and alarming if the water is unsafe to drink
- High grade stainless steel reactor, very hygiene and corrosion resistant
- Reliable, robust UV lamp for durability and long life (9,000 hours)
- Electronic controller in a splash proof case, virtually eliminates common water damage issues
- Complete set - ready to install, inclusive wall mounting kit



Bewades blue

BWT provides the ultimate in UV protection for your home with the optional inclusion of a true 254nm Teflon® based UV sensor that continuously monitors the performance of the UV system and displaying the output via a colour screen. In addition to UV output, diagnostics, system status, warnings, even QR codes are included. With the integral expandability port, the addition of a 4–20mA output or a remote alarm is a simple plug-and-play option!

Different Types available for PoU or PoE!

Technical specifications:

- Future proof expandability for future upgrades & options
- Axial flow polished reactor, designed & manufactured to ASME pressure vessel standards
- Free floating, keyed-in-place UV sensor
- User friendly bayonet style lamp connector (quick ¼ turn removal with no extra tools needed)

| Type Bewades blue | | 0.5 | 1.0 | 2.0 | 2.5 | 3.5 |
|--|-------------------|--------------|--------------|--------------|--------------|--------------|
| Nominal connection width | | 1/2" | 3/4" | 3/4" | 1" | 1" |
| Max. flow rate [400 J/m ²] @T ₁₀ =95% | m ³ /h | 0.5 | 1.0 | 2.0 | 2.5 | 3.5 |
| Lamp Power | W | 15 | 22 | 39 | 50 | 42 |
| Connection power | W | 20 | 30 | 49 | 62 | 51 |
| Reactor dimensions | mm | 64×364 | 64×542 | 64×895 | 64×1016 | 89×917 |
| Expected lamp service life* | h | 9,000 | | | | |
| Controler dimensions | mm | 172×92×102 | | | | |
| Operating pressure min./max. | bar | 0.7/10.0 | | | | |
| Order no. basic unit | | 23391 | 23392 | 23393 | 23394 | 23395 |
| Order no. option: sensor | | 23850 | 23850 | 23850 | 23850 | 23851 |

*depends on operating conditions



Available for PoU¹ and PoE²



BEWADES BLUE



BEWADES BLUE
Control unit

Economical
& Reliable
Water Hygiene



BEWADES LC

Certified
Premium
Water Quality



BEWADES N

Bewades LC

Reactor design taken from the Bewades N series and reduced to essential features: Simplicity, Robustness and Reliability for all areas of water disinfection.

Technical specifications:

- Integrated cooling fan to fulfill all requirements for warm climates
- Easy control displaying total hours of operation and lamp performance
- Compact design for easy installation and servicing
- Potential-free contact for lamp failure connection to building control

| Type Bewades LC | | 70W70/08LC | 100W100/11LC | 200W200/11LC | 400W200/17 LC |
|--|-------------------|--------------|--------------|--------------|---------------|
| Nominal connection width | DN | 20 | 50 | 50 | 80 |
| Max. volume flow 400 J/m ² at T ₁₀₀ = 70 % | m ³ /h | 2.4 | 6.8 | 13 | 38 |
| Max. operating pressure | bar | 10 | | | |
| Expected lamp service life* | h | 12,000 | | | |
| Connection power | W | 90 | 110 | 220 | 450 |
| Number of UV lamps | | 1 | 1 | 1 | 2 |
| Order no. | | 23374 | 23085 | 23059 | 23346 |

Bewades N

DVGW Certified disinfection performance (3rd party validated) confirmed by microbiological tests for all drinking water applications.

Technical specifications:

- According to the stringent, internationally recognized standards of the German Technical and Scientific Association for Gas and Water (DVGW)
- Sophisticated Microprocessor based UV control II – easy to use
- Validated sensor technology for highest operational safety
- Electronic ballasts for a long lamp life and to compensate voltage fluctuations
- CFD optimized hydraulically design ensures safe water disinfection and saves energy costs

| Type Bewades N | | 80W80/11N | 200W200/11N | 390W130/22N | 600W200/22N |
|--|-------------------|--------------|--------------|--------------|--------------|
| Nominal connection width | DN | 32 | 50 | 80 | 80 |
| Max. volume flow 400 J/m ² at T ₁₀₀ = 80 % | m ³ /h | 4 | 8.5 | 24 | 57 |
| Max. operating pressure | bar | 10 | | | |
| Expected lamp service life* | h | 12,000 | | | |
| Connection power | W | 180 | 220 | 450 | 650 |
| Number of UV lamps | | 1 | 1 | 3 | 3 |
| Order no. | | 23282 | 23283 | 23288 | 23343 |

| Type Bewades N | | 200W200/17N | 390W130/27N | 810W270/40N | 1080W270/50N |
|--|-------------------|--------------|--------------|--------------|--------------|
| Nominal connection width | DN | 50 | 80 | 150 | 200 |
| Max. volume flow 400 J/m ² at T ₁₀₀ = 80 % | m ³ /h | 16.7 | 47.8 | 181.9 | 251 |
| Max. operating pressure | bar | 10 | | | |
| Expected lamp service life* | h | 12,000 | | | |
| Connection power | W | 220 | 450 | 850 | 1130 |
| Number of UV lamps | | 1 | 3 | 3 | 4 |
| Order no. | | 23353 | 23354 | 23289 | 23299 |

*depends on operating conditions

Bewades T

Certified drinking water disinfection and state of the art technology. Bewades T for a broad field of applications for efficient, safe and chemical-free water disinfection.

Technical specifications:

- Unique dynamic lamp heating adjusts the lamp output in seconds and provides for optimum disinfection even rapidly varying flows and water temperatures
- Homogeneous UV dose, thanks to optimized flow behavior in the reactor, guarantees maximum flow output with a minimum number of lamps and minimum pressure loss
- reduced life cycle costs due to long service life of Bewades T high-output lamps with low energy consumption and high UV output.
- High flexibility thanks to vertical or horizontal installation
- User-friendly and intuitive control for the display of operating statuses and adjustment of operating parameters
- Control cabinet with efficient recirculation cooling ensures the long life electronic components and protects against corrosion in aggressive ambient conditions.

| Type Bewades T | | 80W80/14N | 230W230/14N | 350W350/17N | 700W350/26N |
|--|-------------------|--------------|--------------|--------------|--------------|
| Nominal connection width | DN | 50 | 80 | 100 | 150 |
| Max. volume flow 400 J/m ² at T ₁₀₀ = 70 % | m ³ /h | 5.9 | 21.8 | 37.9 | 93.5 |
| Max. operating pressure | bar | | 10 | | 10/16 |
| Expected lamp service life* | h | | | 12,000 | |
| Connection power | W | 110 | 310 | 430 | 835 |
| Number of UV lamps | | 1 | 1 | 1 | 2 |
| Order no. PN10 | | 27025 | 27026 | 27027 | 27028 |
| Order no. PN16 | | - | - | - | 27009 |

| Type Bewades T | | 690W230/32N | 1050W350/32N | 1400W350/36N | 2100W350/41N |
|--|-------------------|--------------|--------------|--------------|--------------|
| Nominal connection width | DN | 150 | 200 | 200 | 250 |
| Max. volume flow 400 J/m ² at T ₁₀₀ = 70 % | m ³ /h | 71.1 | 148.4 | 210.4 | 342.1 |
| Max. operating pressure | bar | | | 10/16 | |
| Expected lamp service life* | h | | | 12,000 | |
| Connection power | W | 825 | 1240 | 1645 | 2455 |
| Number of UV lamps | | 3 | 3 | 4 | 6 |
| Order no. PN10 | | 27029 | 27030 | 27031 | 27032 |
| Order no. PN16 | | 27010 | 27011 | 27012 | 27013 |

*depends on operating conditions



BEWADES T